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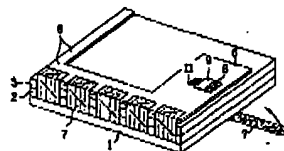
G02F 1 /1333

(54) COMBINATION STRUCTURE OF TOUCH CONTROLLER AND LCD MODULE CONTROLLER IN LCD INTEGRATED WITH TOUCH PANEL

(57) Abstract:

PURPOSE: A combination structure of a touch controller and an LC module controller in an LCD integrated with a touch panel is provided to decrease the thickness of the LCD by improving a connecting structure of signal lines of the touch panel and the touch controller. CONSTITUTION:

An LCD integrated with a touch panel includes a touch panel(1), an LCD module(2) and a back light(3). An LCD module controller and a touch controller are integrated on a PCB(6) placed behind the back light. The PCB has a connector insertion hole(8), and a connector(9) is mounted on the PCB while being inserted into the connector insertion hole. The terminals of the connector is soldered to be electrically connected to a signal line on the PCB.



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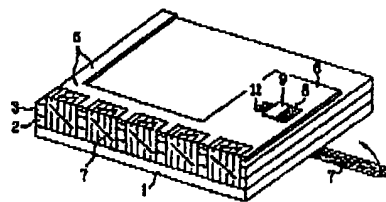
[74] 专利代理机构 隆天国际专利商标代理有限公司
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[54] 发明名称 与触摸板结合的液晶显卡板中的触摸控制器与液晶显示器组件控制器的组合结构

[57] 摘要

本发明的目的是提供与触摸板结合的 LCD 中的触摸控制器和 LCD 组件控制器的组合结构,它通过把触摸控制器和 LCD 组件控制器集成在 PCB 上而避免了触摸控制器的安装空间限制,并改善了触摸板和触摸控制器之间的信号线连接,因此能制成更薄的带触摸板的 LCD。为实现发明目的,本发明提供一种与触摸板结合的 LCD 中的触摸控制器和 LCD 组件控制器的组合结构。所述 LCD 具有触摸板, LCD 组件机背照光源,在背照光源背面设有集成有 LCD 组件控制器和触摸控制器的印刷电路板 PCB。



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